

**FIG. 1**

100 COMMUNICATION SYSTEM  
110 TRANSMITTER  
5 120 RECEIVER  
130 IP NETWORK

**FIG. 2**

START  
10 ST201 TRANSMIT PACKET  
ST202 RECEIVE PACKET  
ST203 HEAD PACKET?  
ST204 MEMORIZE  $T_1$   
ST205 RECEIVED ALL PACKETS?  
15 ST206 MEMORIZE  $T_2$   
ST209 GENERATE WINDOW-SIZE INFORMATION INDICATING  
DECREASE IN TRANSMISSION WINDOW SIZE  
ST210 GENERATE WINDOW-SIZE INFORMATION INDICATING  
INCREASE IN TRANSMISSION WINDOW SIZE  
20 ST211 RETURN NEW WINDOW-SIZE INFORMATION AND ACCUMULATIVE  
ACK PACKET  
ST212 DELETE MEMORY VALUES  $T_1$  AND  $T_2$

**FIG. 2**

25 110 TRANSMITTER  
120 RECEIVER  
AS1 (ACCUMULATIVE ACK PACKET AND NEW WINDOW-SIZE

INFORMATION)

TA (TRANSMISSION WINDOW SIZE)=4

TB (TRANSMISSION WINDOW SIZE)=3

5 FIG. 4

110 TRANSMITTER

120 RECEIVER

AS2 (ACCUMULATIVE ACK PACKET AND NEW WINDOW-SIZE  
INFORMATION)

10 TA (TRANSMISSION WINDOW SIZE)=4

TD (TRANSMISSION WINDOW SIZE)=5

FIG. 5

110 TRANSMITTER

15 510 RECEIVER

130 IP NETWORK

500 COMMUNICATION SYSTEM

FIG. 6

20 START

ST601 TRANSMIT PACKET

ST602 RECEIVE PACKET

ST603 HEAD PACKET ?

ST604 MEMORIZE T<sub>1</sub>

25 ST605 RECEIVED ALL PACKETS?

ST606 MEMORIZE T<sub>2</sub>

ST610 GENERATE NEW WINDOW-SIZE INFORMATION INDICATING

DECREASE IN TRANSMISSION WINDOW SIZE

ST611 GENERATE NEW WINDOW-SIZE INFORMATION INDICATING  
HOLD IN TRANSMISSION WINDOW SIZE

ST612 GENERATE NEW WINDOW-SIZE INFORMATION INDICATING

5 INCREASE IN TRANSMISSION WINDOW SIZE

ST613 RETURN NEW WINDOW-SIZE INFORMATION AND ACCUMULATIVE  
ACK PACKET

ST614 DELETE MEMOERY VALUES  $T_1$  AND  $T_2$